

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4770	424/613 or 514/769 or 261/83 or 210/150 or 210/748.01 or 210/748.19 or 210/760	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:53
L2	1569	1 and ozone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:53
L3	766	2 and (bubble or microbubble or nanobubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:53
L4	763	3 and (water or aqueous or h2o)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:54
L5	163	4 and (nm or nano or nanometer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:54
L6	421	4 and (nm or nano or nanometer or micro or micrometer or micron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:54
L7	69	6 and (electroly\$10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:55
L8	304	6 and (electroly\$10 or ion or cation or anion or iron or manganese or calcium or sodium or magnesium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 16:56
L9	7	6 and (electroly\$10) and (shell or encapsul\$10 or stable or stability or stabilize) near1000 (bubble or nanobubble or microbubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:00
L10	40	8 and (shell or encapsul\$10 or stable or stability or stabilize) near1000 (bubble or nanobubble or microbubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:02

L11	33	10 not 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:02
L12	62	7 not (10 or 11)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:03
L13	163	3 and (water or aqueous or h2o) and (nano or nanometer or nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:04
L14	163	3 and (water or aqueous or h2o) and (nano or nanometer or nm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:05
L15	42	3 and (water or aqueous or h2o) and (nano or nanometer or nm) near1000 (bubble or nanobubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:05
L16	45	3 and (water or aqueous or h2o) and ((nano or nanometer or nm) near1000 (bubble or nanobubble) or nanobubble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/03 17:06

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	4775	424/613 or 514/769 or 261/83 or 210/150 or 210/748.01 or 210/748.19 or 210/760	US-PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:07
L18	102	17 and (micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and ozone	US-PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:08
L19	74	17 and (micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and (ozone or o3).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:09
L20	53	17 and (micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and (ozone or o3).clm. and (iron or fe or ferric or ferrous or manganese or mn or calcium or ca or sodium or na or magnesium or mg)	US-PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:09
L21	18	17 and (micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and (ozone or o3).clm. and (iron or fe or ferric or ferrous or manganese or mn or calcium or ca or sodium or na or magnesium or mg).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:10

L22	35	20 not 21	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:10
L23	21	19 not 20	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:12
L24	28	18 not 19	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:13
L25	180	(micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and ozon\$10.clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:15
L26	44	(micron or micro or micrometer or nano or nanometer or nm).clm. and (bubble or microbubble or nanobubble).clm. and ozon\$10.clm. and (iron or fe or ferric or ferrous or manganese or mn or calcium or sodium or ca or na or magnesium or mg).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:15
L27	26	26 not 18	US- PGPUB; USPAT; UPAD	OR	ON	2011/11/03 17:16

11/ 3/ 2011 5:29:42 PM

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